

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070362.D
 Acq On : 14 Sep 2021 19:27
 Operator : VA/SY
 Sample : M3687-33
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A013115

Quant Time: Sep 15 02:48:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

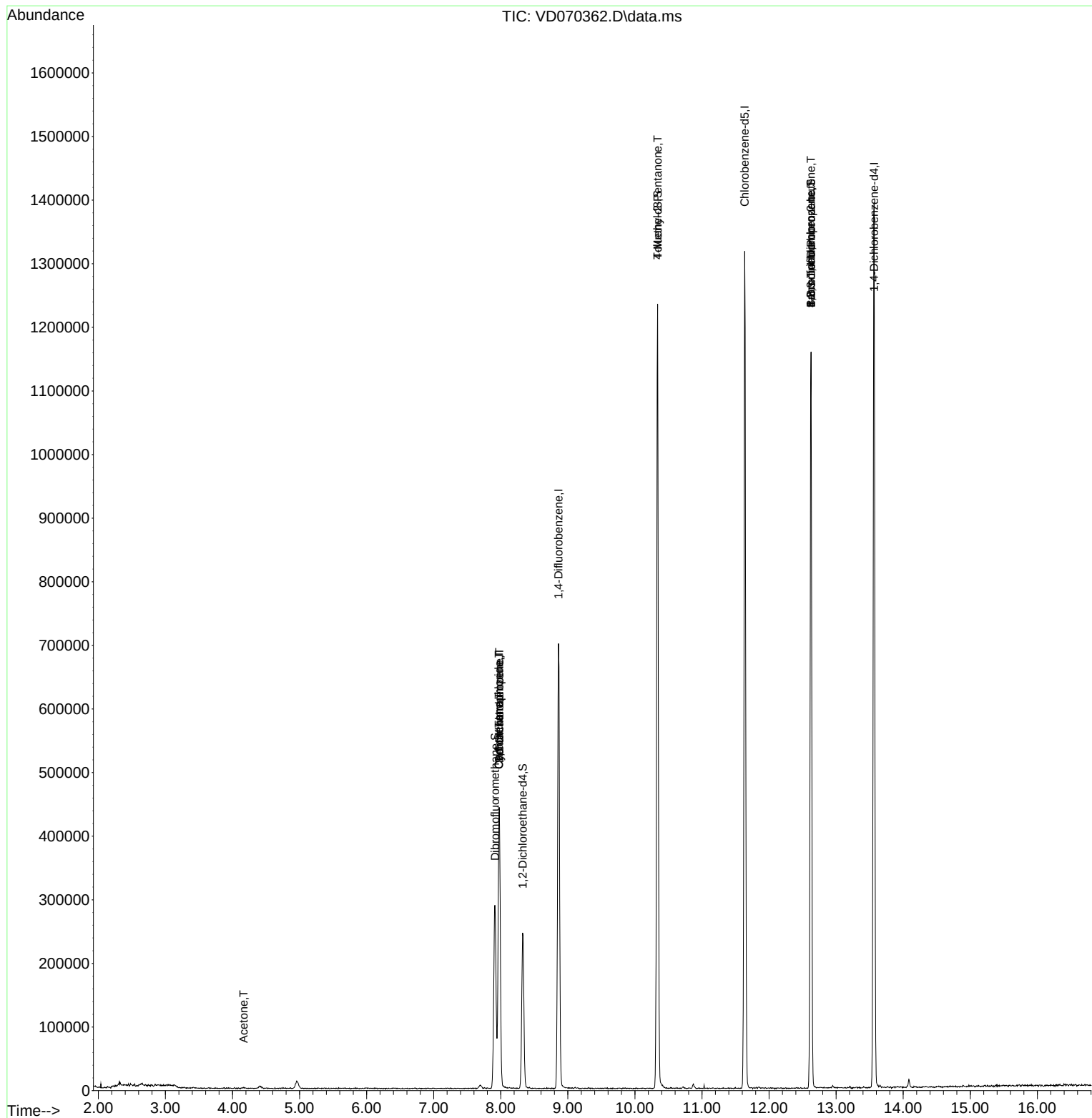
Internal Standards						
1) Pentafluorobenzene	7.979	168	315175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	605261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	760518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	373988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	193426	47.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.600%			
35) Dibromofluoromethane	7.914	113	216342	50.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.420%			
50) Toluene-d8	10.338	98	818569	52.330	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.626	95	369395	67.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 135.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	103	Below Cal	#	43
3) Chloromethane	2.220	50	534	Below Cal	#	42
5) Bromomethane	2.773	94	385	Below Cal	#	1
6) Chloroethane	2.826	64	57	Below Cal	#	43
16) Acetone	4.167	43	2020	2.796 ug/l	#	87
18) Methyl Acetate	4.773	43	55	Below Cal	#	48
20) Methylene Chloride	4.956	84	8925	Below Cal		91
31) Cyclohexane	7.973	56	7377	1.058 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	28069	4.339 ug/l	#	48
38) Carbon Tetrachloride	7.973	117	33588	5.250 ug/l	#	18
51) 4-Methyl-2-Pentanone	10.338	43	3240	1.400 ug/l	#	1
71) Bromoform	12.626	173	3627	1.272 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	179364	47.414 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	179364	118.800 ug/l	#	17

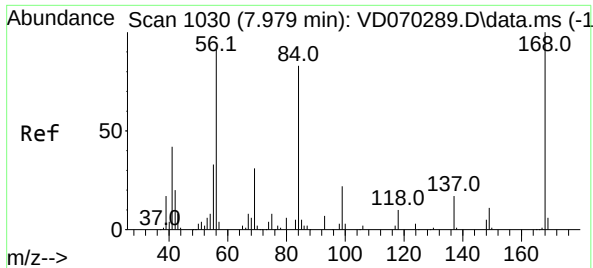
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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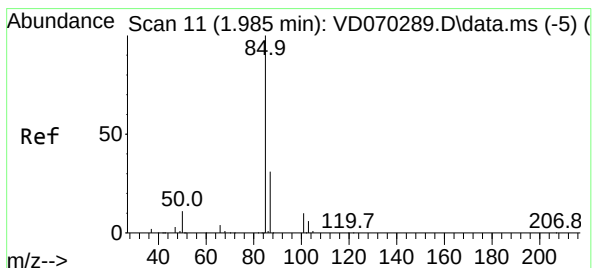
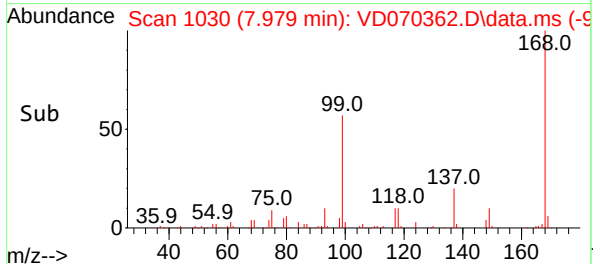
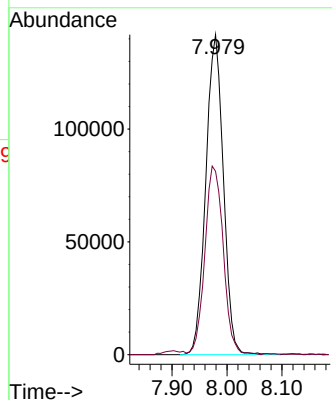
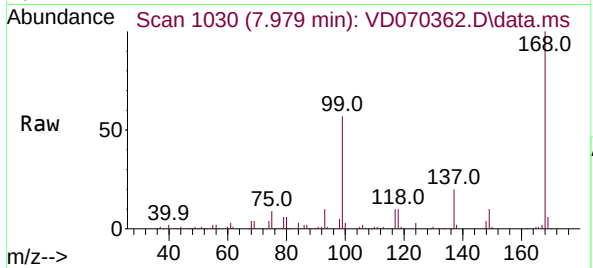




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

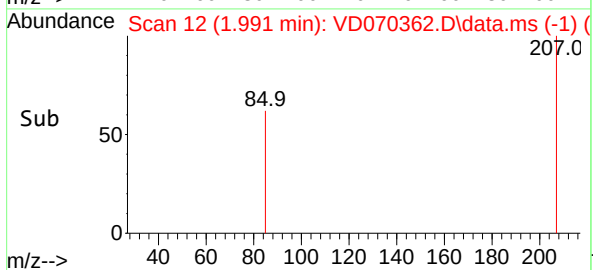
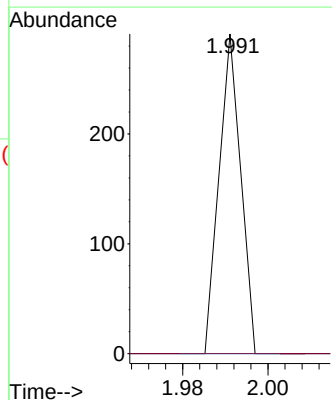
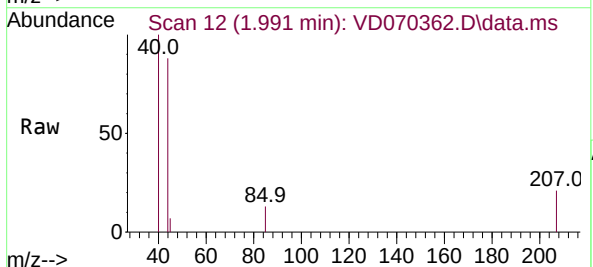
Instrument :
MSVOA_D
ClientSampleId :
A013115

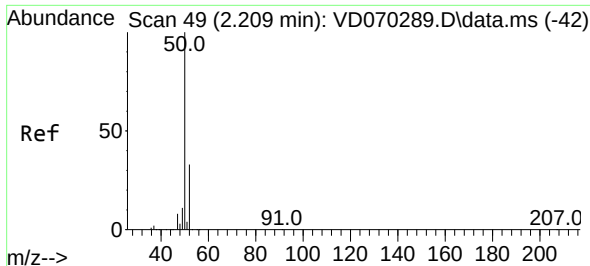
Tgt Ion:168 Resp: 315175
Ion Ratio Lower Upper
168 100
99 57.1 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion: 85 Resp: 103
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

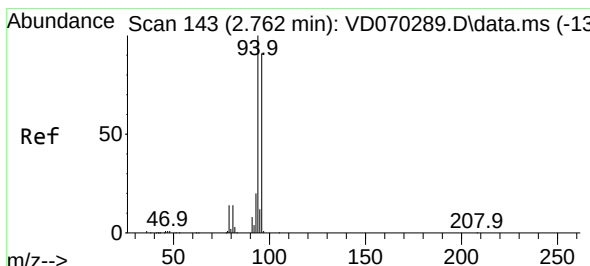
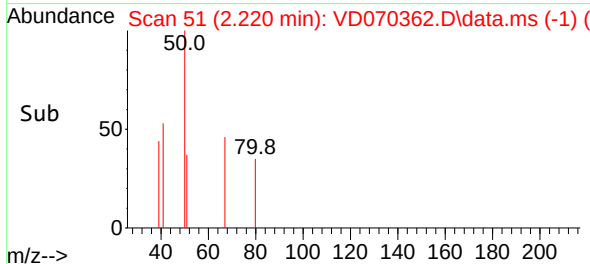
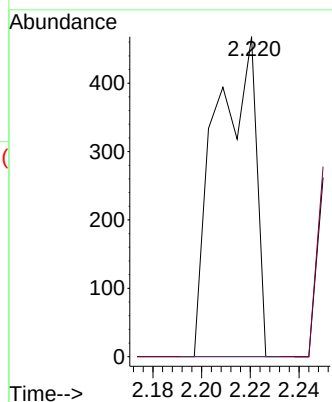
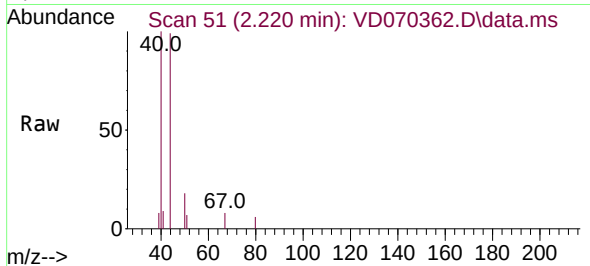




#3
Chloromethane
Concen: Below Cal
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

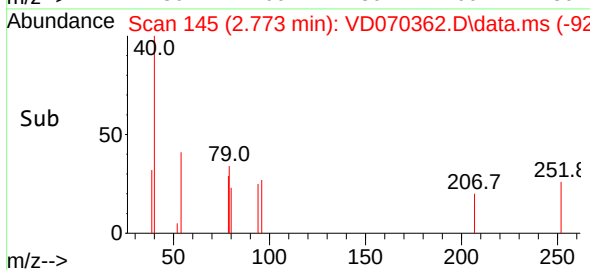
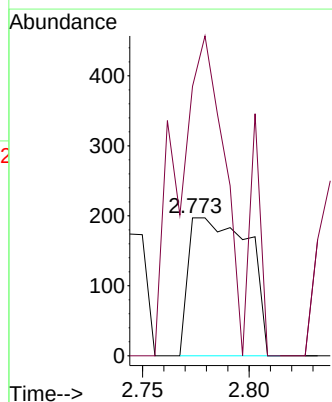
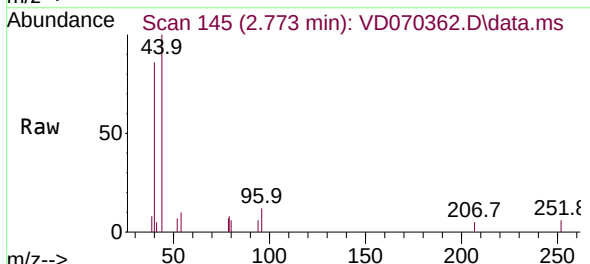
Instrument :
MSVOA_D
ClientSampleId :
A013115

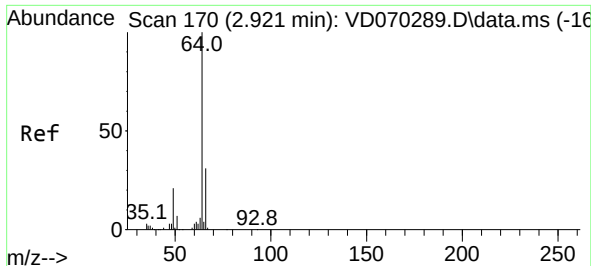
Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion: 94 Resp: 385
Ion Ratio Lower Upper
94 100
96 195.4 73.0 109.6#

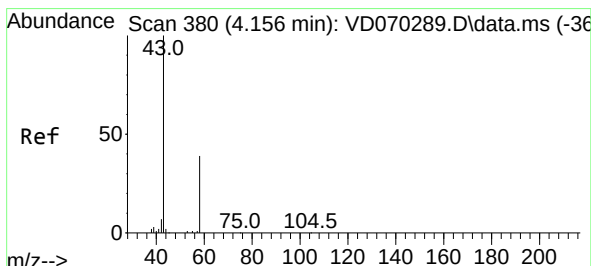
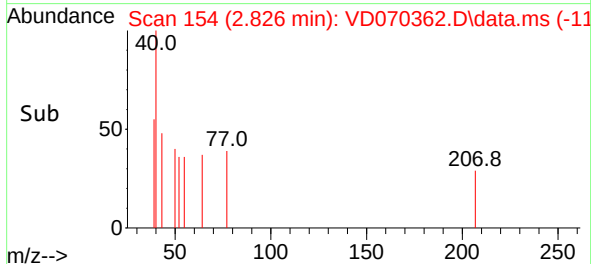
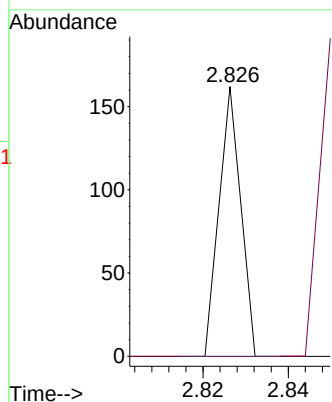
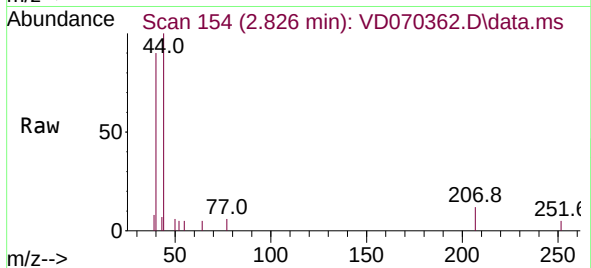




#6
Chloroethane
Concen: Below Cal
RT: 2.826 min Scan# 154
Delta R.T. -0.095 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

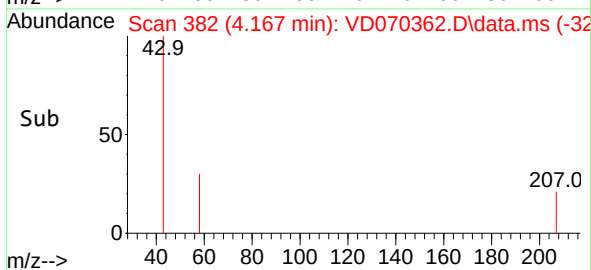
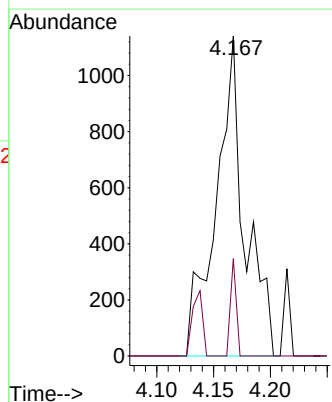
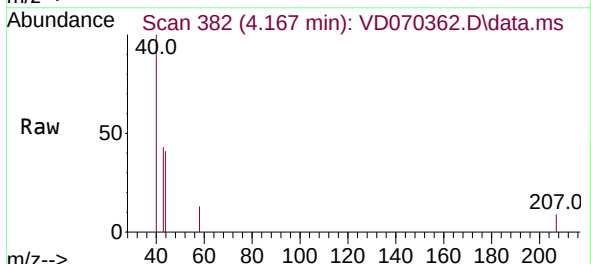
Instrument :
MSVOA_D
ClientSampleId :
A013115

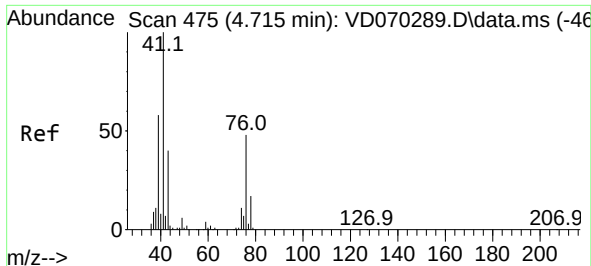
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#16
Acetone
Concen: 2.796 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 30.4 30.9 46.3#

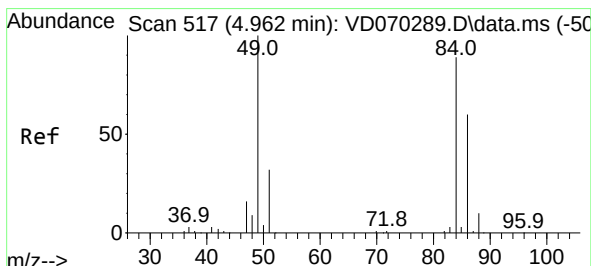
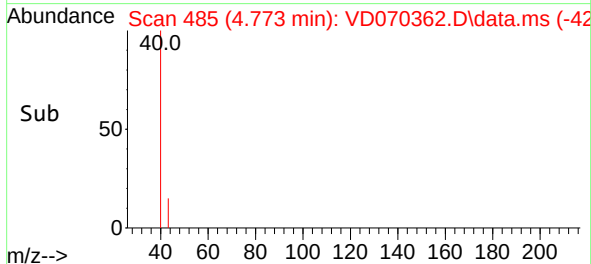
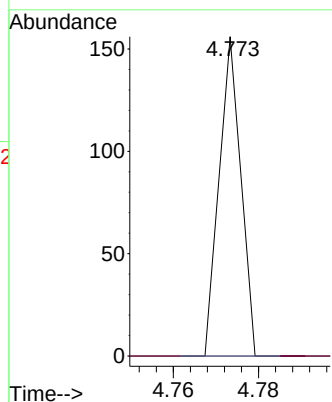
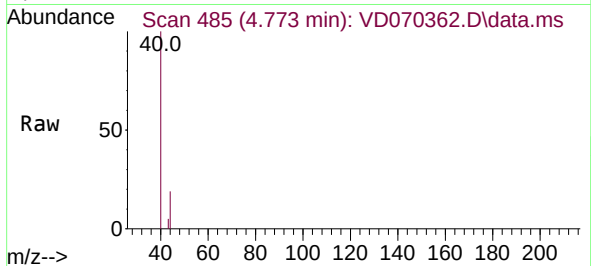




#18
Methyl Acetate
Concen: Below Cal
RT: 4.773 min Scan# 485
Delta R.T. 0.058 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

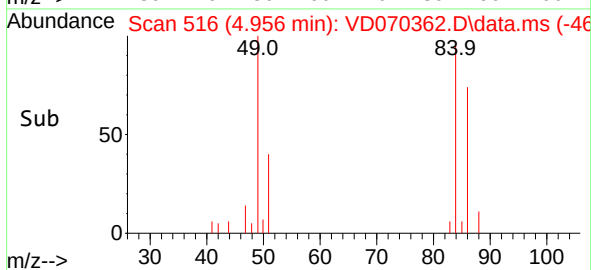
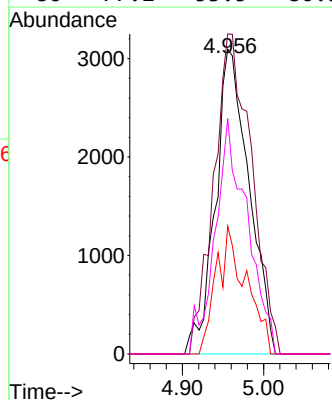
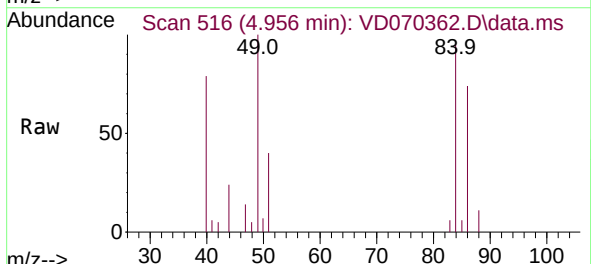
Instrument :
MSVOA_D
ClientSampleId :
A013115

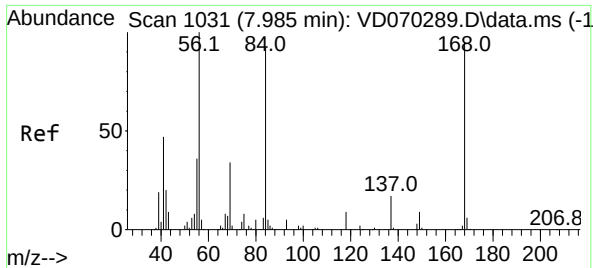
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

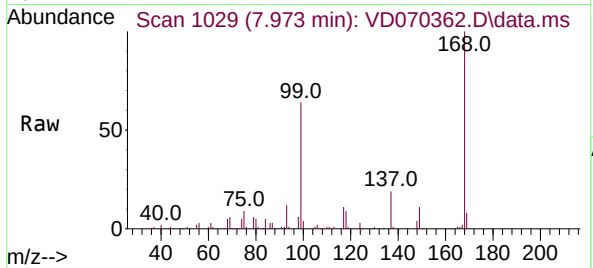
Tgt Ion: 84 Resp: 8925
Ion Ratio Lower Upper
84 100
49 105.0 89.6 134.4
51 41.9 28.6 43.0
86 77.2 53.5 80.3



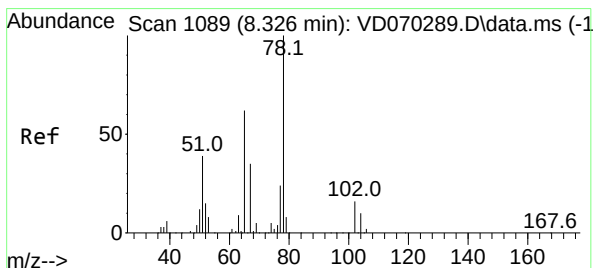
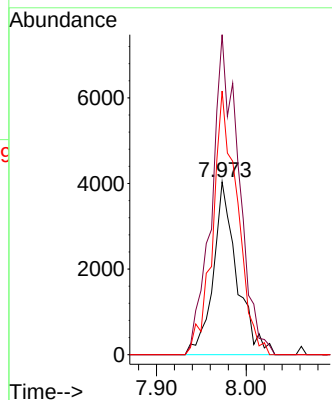
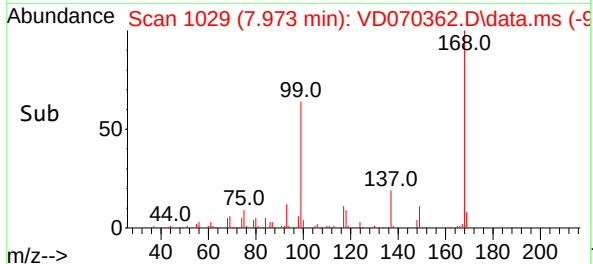


#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

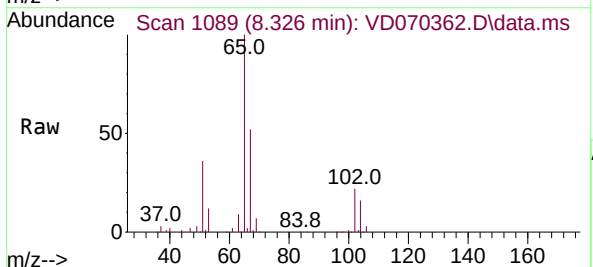
Instrument :
MSVOA_D
ClientSampleId :
A013115



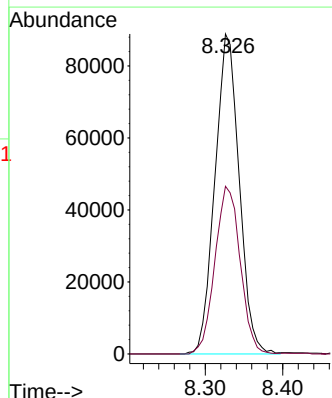
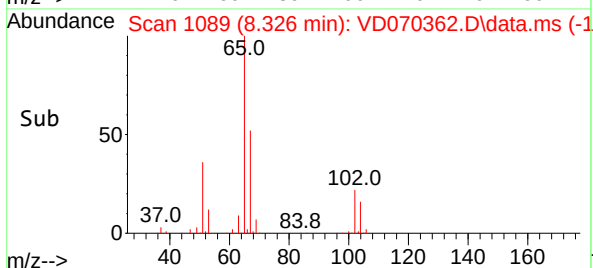
Tgt Ion: 56 Resp: 7377
Ion Ratio Lower Upper
56 100
69 185.2 26.9 40.3#
84 152.7 73.6 110.4#

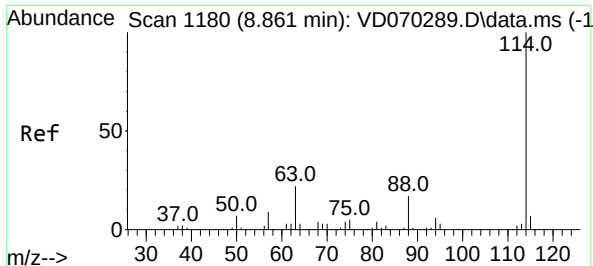


#33
1,2-Dichloroethane-d4
Concen: 47.796 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27



Tgt Ion: 65 Resp: 193426
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070362.D

Acq: 14 Sep 2021 19:27

Instrument :

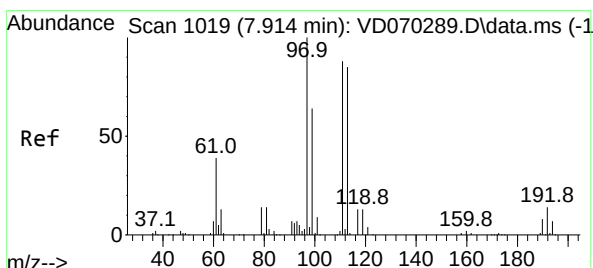
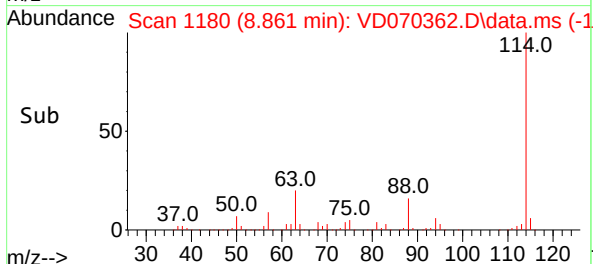
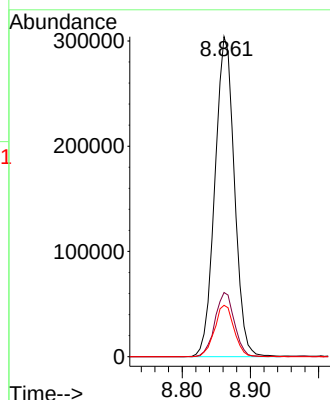
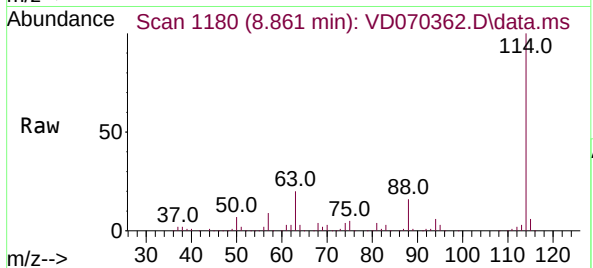
MSVOA_D

ClientSampleId :

A013115

Tgt Ion:114 Resp: 605261

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	43.4
88	16.0	0.0	33.4



#35

Dibromofluoromethane

Concen: 50.215 ug/l

RT: 7.914 min Scan# 1019

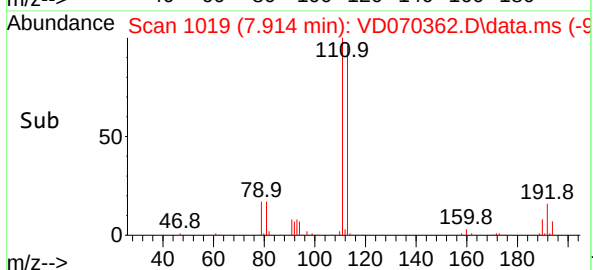
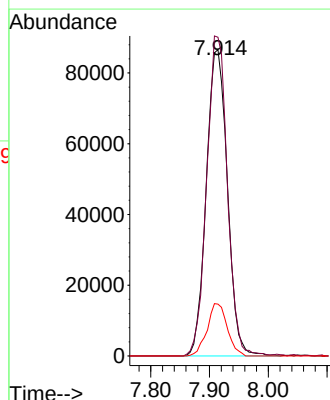
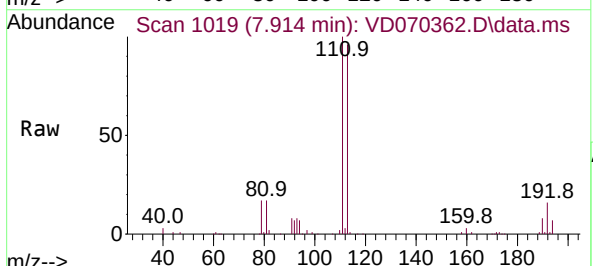
Delta R.T. -0.000 min

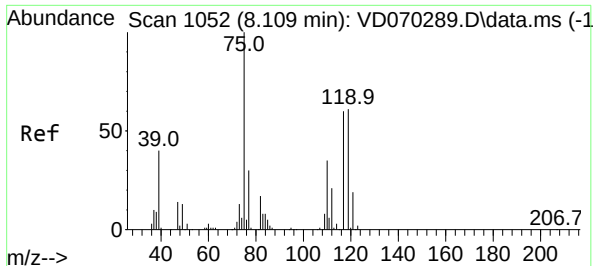
Lab File: VD070362.D

Acq: 14 Sep 2021 19:27

Tgt Ion:113 Resp: 216342

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	16.3	13.0	19.6





#36

1,1-Dichloropropene

Concen: 4.339 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070362.D

Acq: 14 Sep 2021 19:27

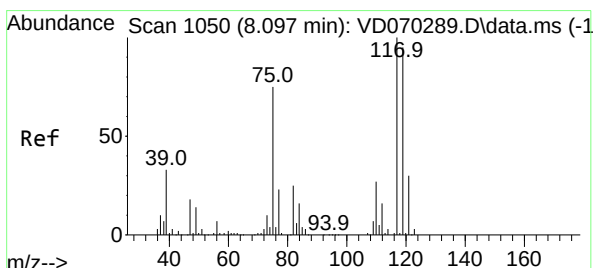
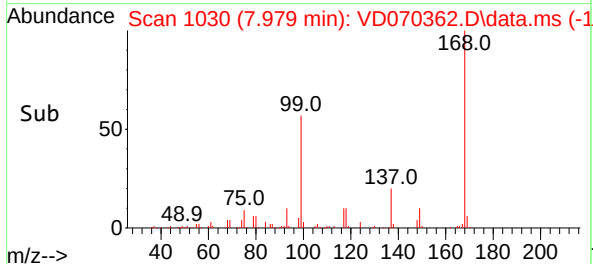
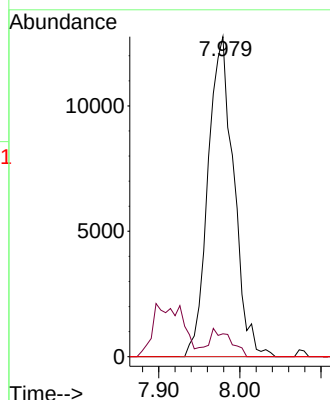
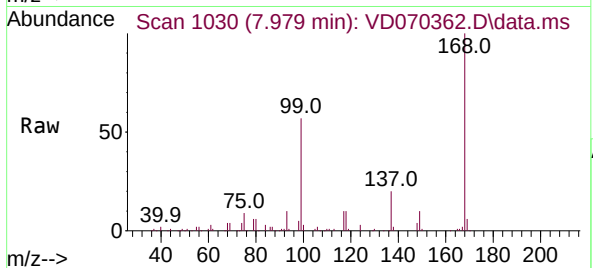
Instrument :

MSVOA_D

ClientSampled :

A013115

Tgt Ion:	75	Resp:	28069
Ion Ratio	Lower	Upper	
75	100		
110	7.4	17.9	53.7#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.250 ug/l

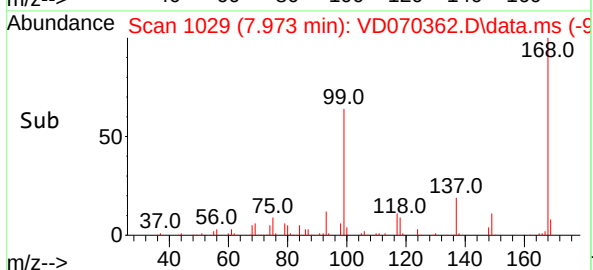
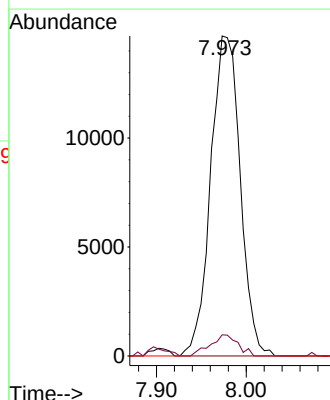
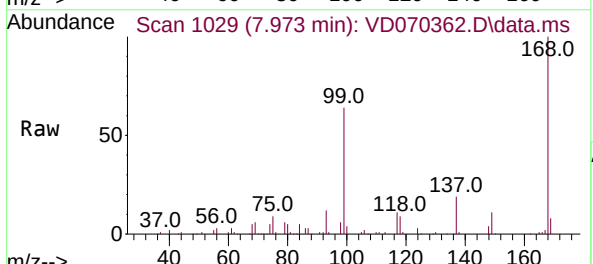
RT: 7.973 min Scan# 1029

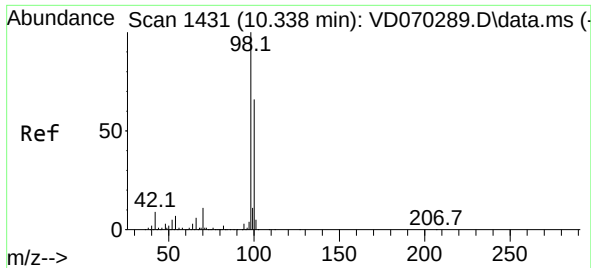
Delta R.T. -0.124 min

Lab File: VD070362.D

Acq: 14 Sep 2021 19:27

Tgt Ion:	117	Resp:	33588
Ion Ratio	Lower	Upper	
117	100		
119	6.6	76.1	114.1#
121	0.0	23.8	35.6#

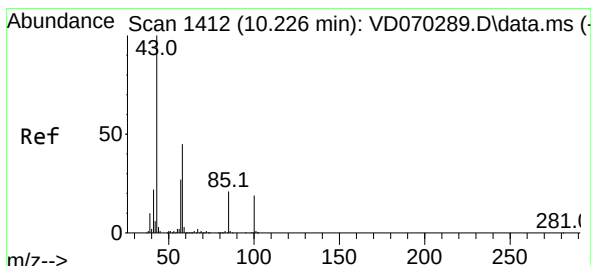
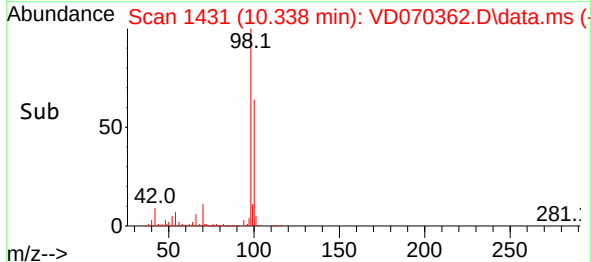
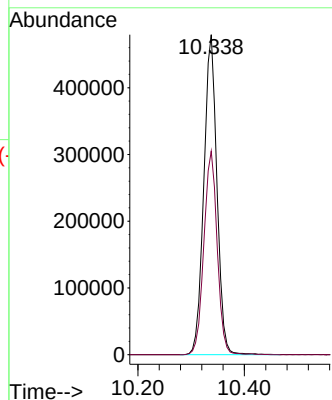
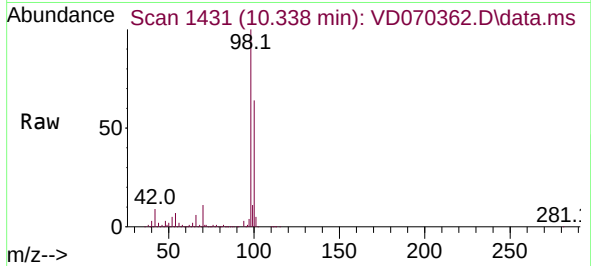




#50
Toluene-d8
Concen: 52.330 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

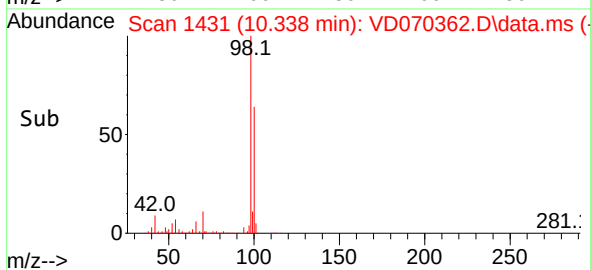
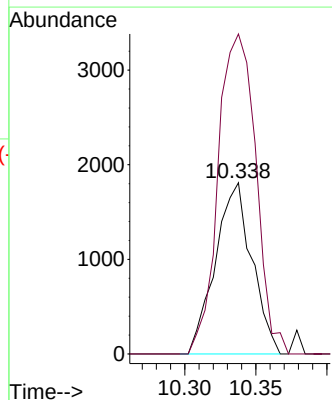
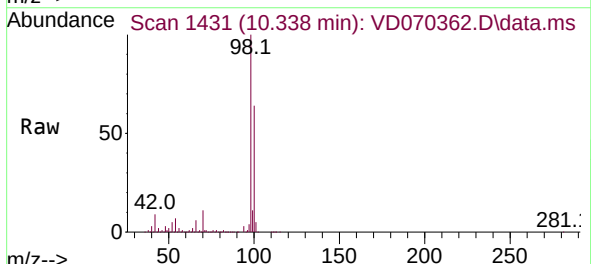
Instrument :
MSVOA_D
ClientSampleId :
A013115

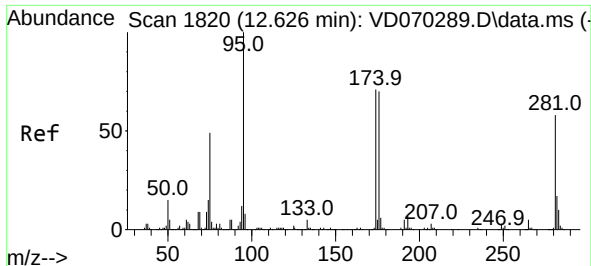
Tgt Ion: 98 Resp: 818569
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion: 43 Resp: 3240
Ion Ratio Lower Upper
43 100
58 192.8 35.4 53.2#

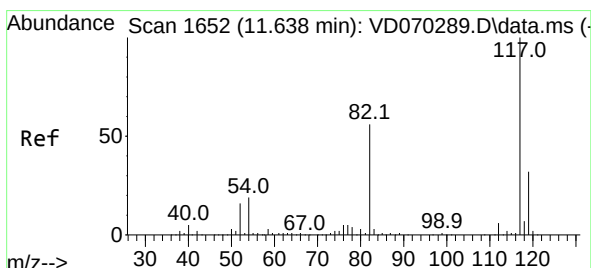
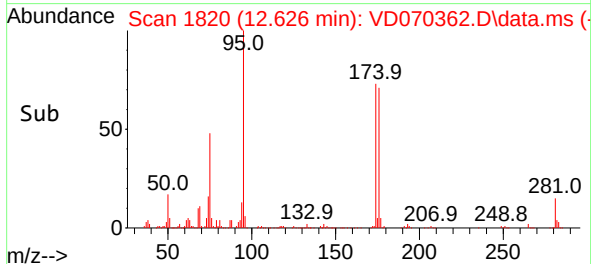
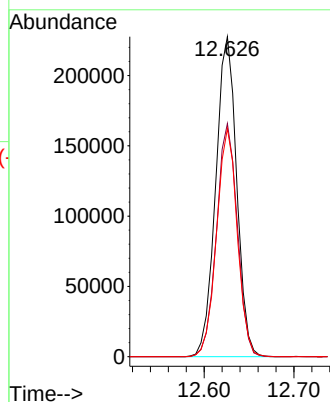
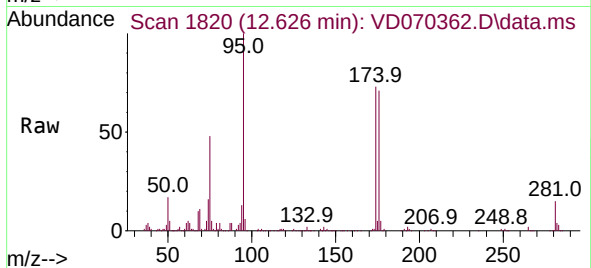




#62
4-Bromofluorobenzene
Concen: 67.570 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

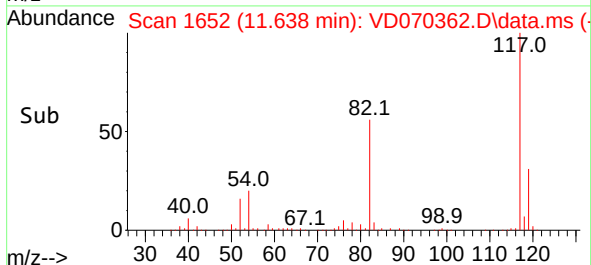
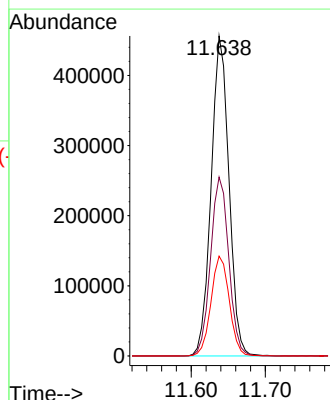
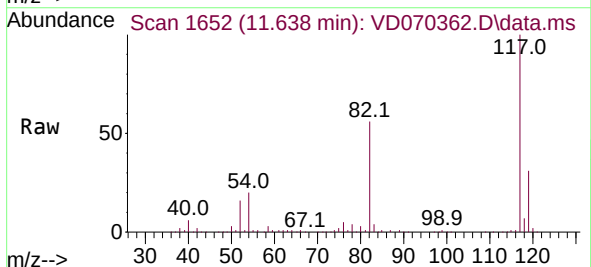
Instrument :
MSVOA_D
ClientSampleId :
A013115

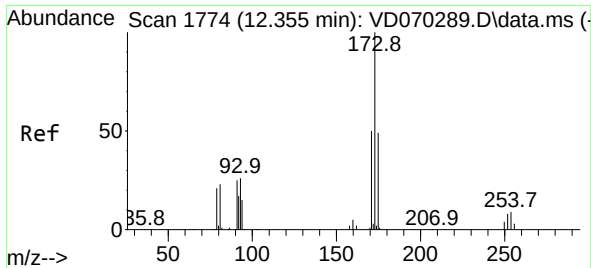
Tgt Ion:	95	Resp:	369395
Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	140.6
176	70.2	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion:	117	Resp:	760518
Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.4
119	31.2	25.2	37.8

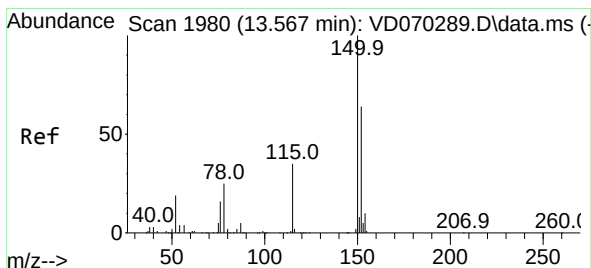
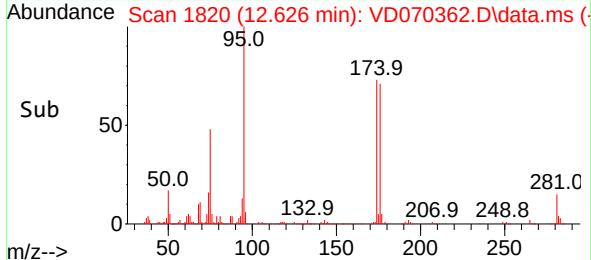
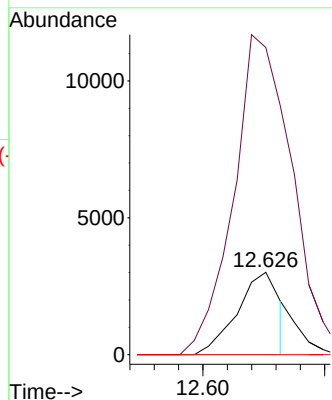
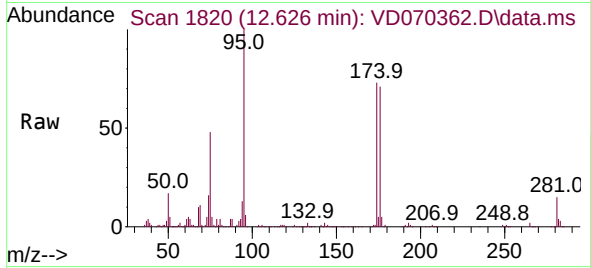




#71
Bromoform
Concen: 1.272 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

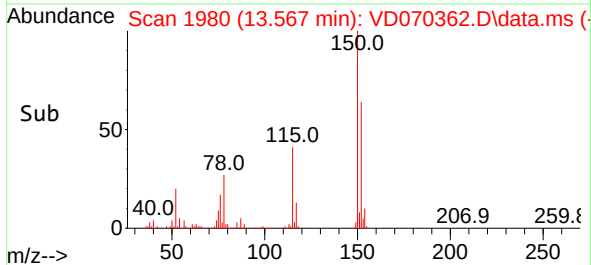
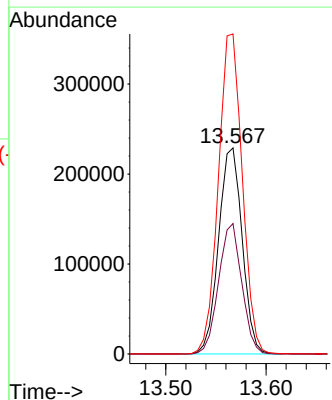
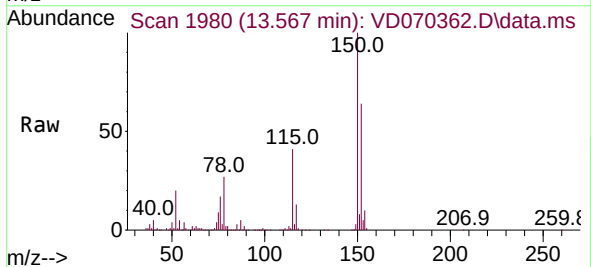
Instrument :
MSVOA_D
ClientSampleId :
A013115

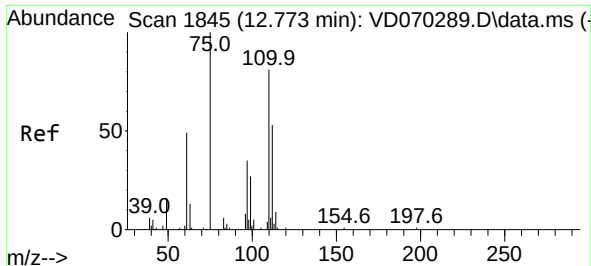
Tgt Ion:173 Resp: 3627
Ion Ratio Lower Upper
173 100
175 429.4 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion:152 Resp: 373988
Ion Ratio Lower Upper
152 100
115 62.0 32.1 96.3
150 157.5 0.0 350.6

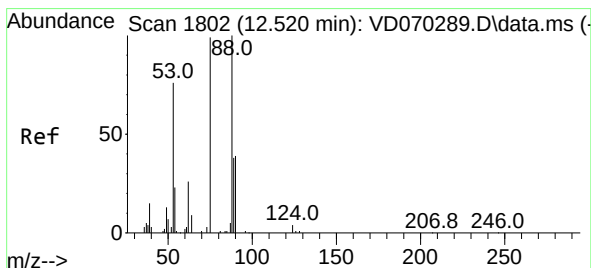
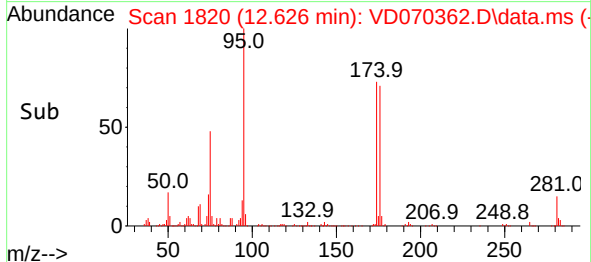
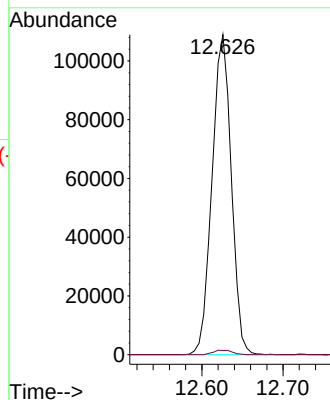
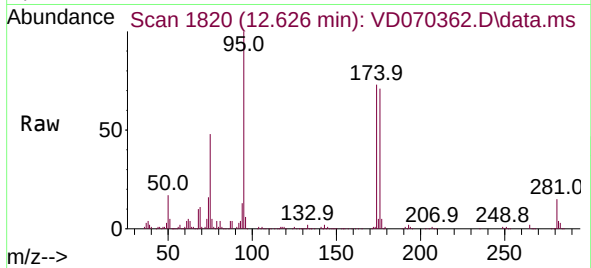




#76
1,2,3-Trichloropropane
Concen: 47.414 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Instrument :
MSVOA_D
ClientSampleId :
A013115

Tgt Ion: 75 Resp: 179364
Ion Ratio Lower Upper
75 100
77 1.4 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070362.D
Acq: 14 Sep 2021 19:27

Tgt Ion: 75 Resp: 179364
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 0.2 35.6 53.4#

